

## A foundation for innovation – our worldwide technical centers

Our technology centers are strategically located to ensure accessibility from any location, featuring cutting-edge facilities equipped with advanced equipment, laboratories, design and testing capabilities. These centers are complemented by an exceptional network of polymer and solution experts, fostering a collaborative and supportive atmosphere to research the latest resins, plastics and products that will meet the challenges of tomorrow.

**Speed and simplify design efforts**

**Rapid testing, prototyping and optimizing**

**Maximize efficiency**

### **Baytown Technology and Engineering Complex**



The Baytown Technology & Engineering Complex is one of ExxonMobil's largest global technology centers, located within the greater ExxonMobil Baytown Complex. It is home to cutting-edge catalyst and polymers research, which has led to ground-breaking innovations in applications ranging from food packaging to construction.



[Click to learn more about BTEC](#)

### **European Technology Center (Brussels)**



As a European hub for chemical innovation, the European Technology Center contributes to innovative and solutions that address global societal challenges. The ETC researches applied process and product technology, and pioneers the development of business planning options.



In-depth expertise exists at ETC covering:

- Determining physical properties, chemical composition, molecular structure of chemicals, linking it with the performance of the materials;
- Use of lab and pilot scale equipment for the simulation of production processes that we can upscale for commercial use in our production facilities;
- State-of-the-art apparatus for catalyst development and analysis; supported by a broad range of advanced characterization techniques;
- Equipment for processing polymers on a commercial scale to simulate the use of our polymer products by our customers. This involves, among other things, film blowing, casting and lamination.

The specialists who work at the ETC develop and apply knowledge and share the results with ExxonMobil business units all over the world so that they can take a leading position in their respective targeted markets.

ETC researchers also work closely with leading European and Belgian universities to continuously challenge the scientific status quo and to advance our fundamental understanding of materials.

[Click to learn more about ETC](#)



## Shanghai Technology Center

Shanghai is home to one of ExxonMobil's largest customer-facing technology centers. As a market-facing campus with more than 40 Ph. D. scientists on staff, STC develops and delivers innovative solutions to our customers throughout China and Asia Pacific. Located in the Minhang District near the Jiao Tong University and East China Normal University, our state-of-the-art laboratories lead our product application and testing process to improve polymers.



The expanding capabilities of the facility facilitate enhanced value delivery through various specialized labs. The fabrication lab is equipped with industry-scale conversion capabilities and encompasses the entire polyethylene packaging value chain, ensuring comprehensive production processes.

Additionally, the testing laboratory is fully equipped to conduct a wide range of physical tests for polyethylene, polypropylene, and elastomers.

Furthermore, the analytical laboratory is dedicated to advanced characterization techniques and the exploration of novel chemistry. It plays a crucial role in the development of innovative solutions and the enhancement of material properties, thereby supporting the overarching goal of delivering superior value to clients. This extensive testing capability allows for thorough evaluation and quality assurance of materials, contributing to the overall reliability of the products.

[Click to watch the video](#)



## Bengaluru Research & Development Technology Center

ExxonMobil's Bengaluru Research and Development Technology Centre (BRDTC) is the state-of-the-art technology center located in Bengaluru, India started in 1998. Today the team of Research Technologists, Customer Application Development Engineers are engaged in providing technical solutions to the Polyethylene, Polypropylene & Elastomer businesses.



BRDTC is home to cutting edge technologies to evaluate properties of performance products with a full-fledged processing & advance properties testing set up. It is equipped with processing technologies such as injection molding, blow molding and extrusion to simulate the use of our products in real life scenarios. It also has advanced analytical capabilities as well as physical & rheological test capabilities.

The team here works closely with the entire value chain including converters, brand owners, equipment manufacturers, industry associations and regulators regionally and globally. When it comes to performance products, our goal at the BRDTC is to do more with less - helping our customers to redesign & develop products which are lighter & stronger. We also focus on blending recycled materials with new ones while maintaining product performance in demanding applications.

[Click to learn more about BRDTC](#)



## Dayawan Technology Center

ExxonMobil has been investing in new technologies and innovations in both our facilities and products to meet market evolving needs. Co-located with Huizhou Chemical Complex in the Dayawan Industrial Park, we are also progressing Dayawan Technology Center which had ground-breaking in February 2023. The overall civil work will be completed by end of 2024 and officially put into operation in 2025. It equips the first polypropylene pilot unit outside North America which enables us to accelerate differentiated performance polypropylenes development. Meanwhile, DTC will also focus on new chemistry, process technology and scale-up developments.



**ExxonMobil**  
*Signature Polymers*

**Bring your impossible**

ExxonMobil Signature Polymers was born from the belief that people fuel progress. From automotive and construction to packaging, agriculture, industrial, and beyond, we leverage the scale and reach of ExxonMobil to deliver the insights and innovations that empower our diverse, global partners to take their businesses to new heights. We continuously work to provide the listen-first, service-driven, game-changing collaboration that unlocks opportunities for our partners and advances their sustainability and business goals.



© 2024 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Product Solutions" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Product Solutions Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.